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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
09/595,388	06/14/2000	Asil T. Gokcebay	537P	8754		
. 75	. 7590 09/29/2004			EXAMINER		
	Thomas M Freiburger			HOLLOWAY III, EDWIN C		
	P.O. Box 1026 Tiburon, CA 94920			PAPER NUMBER		
Trouton, or .			2635			
			DATE MAILED: 09/29/200	4		

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	
Interview Summary	09/595,388	GOKCEBAY ET	AL.
interview Summary	Examiner	Art Unit	
	Edwin C. Holloway, III	2635	
All participants (applicant, applicant's representative, PTO	personnel):		
(1) Edwin C. Holloway, III.	(3)		
(2) <u>Thomas M. Freiburger</u> .	(4)		
Date of Interview: 24 September 2004.			
Type: a)⊠ Telephonic b)□ Video Conference c)□ Personal [copy given to: 1)□ applicant 2	2)⊡ applicant's representative	e]	
Exhibit shown or demonstration conducted: d) Yes If Yes, brief description:	e)⊠ No.		
Claim(s) discussed: <u>1</u> .			
Identification of prior art discussed: Stinar (US 5003801) ar	nd Bolan (US 4945217).		
Agreement with respect to the claims f) was reached.	ı)⊠ was not reached. h)□ N	I/A.	
Substance of Interview including description of the general reached, or any other comments: <u>See attached interview s</u>		if an agreement	was
(A fuller description, if necessary, and a copy of the amend allowable, if available, must be attached. Also, where no callowable is available, a summary thereof must be attached	opy of the amendments that w		
THE FORMAL WRITTEN REPLY TO THE LAST OFFICE A INTERVIEW. (See MPEP Section 713.04). If a reply to the GIVEN ONE MONTH FROM THIS INTERVIEW DATE, OR FORM, WHICHEVER IS LATER, TO FILE A STATEMENT Summary of Record of Interview requirements on reverse s	last Office action has already THE MAILING DATE OF THIS OF THE SUBSTANCE OF TH	been filed, APP S INTERVIEW S	LICANT IS UMMARY
	·		

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.

Examiner's signature, if required



Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record

A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews

Paragraph (b)

In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111, 1.135. (35 U.S.C. 132)

37 CFR §1.2 Business to be transacted in writing.

All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiner's responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiners Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicant's correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:

- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case. It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview.

A complete and proper recordation of the substance of any interview should include at least the following applicable items:

- 1) A brief description of the nature of any exhibit shown or any demonstration conducted,
- 2) an identification of the claims discussed,
- 3) an identification of the specific prior art discussed,
- 4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner,
- 5) a brief identification of the general thrust of the principal arguments presented to the examiner,

(The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)

- 6) a general indication of any other pertinent matters discussed, and
- 7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicant's record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

Examiner to Check for Accuracy

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiner's version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, "Interview Record OK" on the paper recording the substance of the interview along with the date and the examiner's initials.

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Art Unit: 2635

Interview Summary

The proposed amendment after final faxed by applicant on 08-13-04 was discussed in the interview. The examiner was not persuaded by applicant's arguments that the rejection of claim 1 under 35 USC 103 is overcome by the proposed amendment for the reasons stated below.

Regarding the DS1207 datasheet, the examiner noted that an IDS with certification, petition and petition fee is required after final for proper consideration of this prior art document.

The argument that the DS1207 simply provides a timing feature is not persuasive because the identification code in the DS1207 having an expiration time is an additional security feature to prevent improper use of the identification code.

Regardless, Bolan clearly discloses using the DS1207 for a security function in col. 33 lines 47-54. The argument that this passage does not suggest accessing and unlocking a lock is not persuasive because this passage includes personnel identification badges that are typically used for access to secure facilities. Furthermore, the claims do not require accessing and unlocking a lock.

Applicant's proposed amendment to the preamble, will not be entered at the time because this language was not earlier presented in the claims. Further, this amendment to the

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preamble appears to be an intended use that may be given very little weight. Therefore, the argument that Bolan lacks a key function for accessing a lock or opening a door is not persuasive because applicant's claims are directed to a key, not a lock or door. The body of the claim does not specify a key function of accessing and unlocking a lock. The examiner suggested that applicant file an RCE with an amendment claiming a system including a lock in addition to the key.

The argument that there is no suggestion or motivation to combine Stinar and Bolan is not persuasive because, for example, Stinar suggests in col. 3 lines 48-52 that "it is invisioned that electrically programmable or other nonvolatile memory devices may be employed where economy or performance requirements dictate" and Bolan teaches in col. 6 lines 6 and 28 and col. 26 line 65 an innovative system with memory tokens that are small coin-shaped two-terminal read/write data modules that are compact, rugged and extremely cheap.

Applicant suggested filing an RCE with evidence of commercial success or long felt need. The examiner stated that he would consider such evidence when formally submitted.

CONTACT INFORMATION

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications

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may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact an Electronic Business Center (EBC) representatives at 703-305-3028 or toll free at 866-217-9197 between the hours of 6 a.m. and midnight Monday through Friday EST, or by e-mail at ebc@uspto.gov. The Patent EBC is a complete customer service center that supports all Patent e-business products and service applications. Additional information is available on the Patent EBC Web site at http://www.uspto.gov/ebc/index.html.

Any inquiry of a general nature should be directed to the Technology Center 2600 receptionist at (571) 272-2600.

Facsimile submissions may be sent via fax number (703) 872-9306 to customer service for entry by technical support staff. Questions regarding fax submissions should be directed to customer service voice line (703) 306-0377.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Edwin C. Holloway, III whose telephone number is (571) 272-3058. The examiner can normally be reached on M-F (8:30-5:00). If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Horabik can be reached on (571) 272-3068.

EH 9/26/04 EDWIN C. HOLLOWAY, III PRIMARY EXAMINER ART UNIT 2635

Ed (Wolls

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Asil T. Gokcebay et al.

Serial No.: 09/595,388

Filed: June 14, 2000

For: CONVENTIONAL MECHANICAL LOCK CYLINDERS AND KEYS

WITH ELECTRONIC ACCESS

CONTROL FEATURE

Hon. Commissioner of Patents

P.O. Box 1450

Alexandria, Virginia 22313-1450

Sir:

Examiner: Edwin C. Holloway

Group Art Unit: 2835

File No: 537P

Tiburon, California

ATTN: MR. HOLLOWAY

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING SENT BY FACSIMILE TO: COMMISSIONER OF PATENTS.

NO. 27.063

FOR INTERVIEW ONLY PROPOSED AMENDMENT AFTER FINAL

> The enclosed proposed amendment to claim 1 is submitted after final rejection, prior to a telephone interview which is being scheduled with Examiner Holloway. It is hoped that the interview can be conducted Monday, August 16. This may depend on whether the Examiner is able to retrieve the file for this case.

The proposed amendment to claim 1 is on the following page.

- 1. (Proposed Amendment) A mechanical key device with an electronic access control feature, formed as a solid unit and fitted for insertion into a lock to gain access to and unlock the lock, comprising:
- a metal key blade with mechanical bitting to fit a pattern of a lock,

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a key head solidly fixed to the key blade and having a front end from which the key blade extends,

an electronic identification device or memory cell in the key head, grounded on one side to the metal key device and having a data side isolated from the metal key head, the identification device or memory cell comprising a self-contained device in the form of a sealed can unit comprising a conductive metal casing with serial number ID data in a one-wire bus protocol, the casing of the identification device or memory cell comprising only two terminals on two opposed sides, one of which comprises said one side grounded to metal of the key device and the other being said data side, the key device having a data contact isolated from metal of the key device and positioned to engage with a key reading contact associated with a key slot, the data contact being connected to said data side of the self-contained device,

whereby data stored by the electronic identification device or memory cell may be read by reading apparatus when the key device is inserted making said one-wire bus connection.

REMARKS

This proposed amendment is submitted prior to an interview between the attorney and Examiner Holloway. Also submitted is a document, DALLAS SEMICONDUCTOR, DS1207 TimeKey, six pages.

The enclosed article from Dallas Semiconductor explains the nature of the DS1207 TimeKey mentioned in the Bolan reference. This Dallas Semiconductor product, for which the name "TimeKey" is used as a trademark, is sometimes referred to as an electronic key in the Bolan patent. However, it is not a key in the normal sense of the word. It is simply an iButton device which has a timing function, meaning, somewhat roughly, "keying function to time". This timing feature when incorporated in the iButton circuitry can be used, for example, such that a Smartcard or identification device will be valid only for a limited time, or only during certain times.

The fact is that the Bolan reference does not relate to any "key function" in the normal sense of the word, that is, it does not describe anything with respect to accessing a lock or opening a door.

The passage in Bolan at column 33, lines 47 et seq., refers to the DS1207 TimeKey and says that such a device can be used for applications where security is a priority.

Examples given are: "Smartcards", personal identification

badges, and electronically verified currency. None of these is described as or in way suggests accessing and unlocking a lock. Smartcards, as envisioned in 1989 when the Bolan application was filed, were essentially substitutes for cash, sometimes acting as debit cards. Personnel ID badges and electronically verified currency, just as in Smartcards, would rely on a security or time feature such as the DS1207 simply as an authentication device, not as a "key" that would unlock a lock or access a door.

Even more importantly, Bolan suggests nothing that would lead to or motivate one to incorporate a DS1207 or any other chip in a sealed can of the type described in the claims, into a mechanical key with mechanical bittings.

The courtesy of an interview is appreciated. In this case the applicant waited for more than three years to receive an Examiner action, and thus the applicant desires to avoid the delay occasioned by an appeal.

The attorney will telephone Examiner Holloway on Monday, August 16 regarding a possible interview that day.

Respectfully submitted,

Date: August 13, 2004

Thomas M. Freiburger Reg. No. 27,063

P.O. Box 1026

Tiburon, California 94920

415-435-0240

D\$1207

DALLAS

DS1207 TimeKey

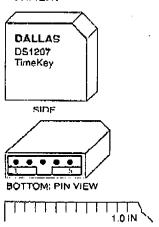
FEATURES

- Cannol be deciphered by reverse engineering
- Time allotment from one day to 812 days for trial periods, rentals, and leasing
- Partitioned memory thwarts pirating
- User-insertable packaging allows personal possession
- Exclusive blank keys on request
- Appropriate identification can be made with a 64-bit reprogrammable memory
- Unreadable 64-bit match code virtually prevents discovery by exhaustive search with over 10¹⁹ possibilities
- Random data generation on incorrect match codes obscures real accesses.
- 984 bits of secure read/write memory create additional barriers by permitting data changes as often as needed
- Rapid grasure of identification, security match code and secure read/write memory can occur if tampéring is detected
- Durable and rugged
- Applications include software authorization, gray market software protection, proprietary data, financial transactions, secure personnel areas, and system access control

DESCRIPTION

The DS1207 TimeKey is a miniature security system that stores 84 bits of user-definable identification code and a 64-bit security match code that protects 384 bits of reard/write renovalstilla memory. The 64-bit identification code and the security match code are programmed into the TimeKey via a special program mode operation. Alter programming, the TimeKey follows a procedure with a serial format to retrieve or update data. The TimeKey is set to expire from one day to \$12 days or infinity, as

PIN ASSIGNMENT



See Mech. Drawings Section

PIN DESCRIPTION

Pln 1	NC	No connection
Pin 2	ast	Reset
Pin 3	OΩ	Data input/outpu

Fin 4 CLK Clock Pin 5 GND Ground

specified by the customer. The TimeKey starts its countdown from the first access by the end user.

Interface cost to a microprocessor is minimized by on-chip circuitry that permits data transfer with only three signals: Clock (CLK), Read (RST) and Data Input/Output (DQ). Low pin count and a guided entry for a mating receptacle overcome mechanical problems normally encountered with conventional integrated circuit packaging, making the device transportable and user-insertable.

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OPERATION - NORMAL MODE

The TimeKey has two modes of operation: normal and program. The normal mode of operation provides the functions of reading and writing the 384-bit ecoure memory. The block diagram (Figure 1) illustrates the main elements of the TimeKey when used in the normal mode. To initiate data transfer with the TimeKey, RST is taken high and 24 bits are loaded into the command reglater on each low-to-high transition of the CLK input. The command register must match the exact bit pattern which defines normal operations with a function code of read or write. If one of these patterns is not matched, communications are ignored. If the command register is loaded properly, communications are allowed to continue. Data is clocked out of the TimeKey on the high-to-low transition of the clock, if the pattern matched in the command register calls for a normal read or write, the next 64 cycles following the command word are read and data is aloaked out of the law riflestion memory. The next 64 write cycles are written to the compare register (Figure 2). These 64 bits must match the exact pattern stored in the eccurity match memory. If a match is not found, access to additional information is denied. Instead, if a normal read mode is selected, random garbied data is output for the next 384 cycles, if a normal write cycle is selected and a match is not achieved, the TimeKey will ignore any additional information. However, when a security match is achieved, access is permitted to write the 384-bit secure memory.

OPERATION - PROGRAM MODE

The program mode of operation provides the functions of programming the identification and security match memory, and setting and reading the amount of time the TimeKey can be used. The block diagram in Figure 3 IIlustrates the main elements of the TimeKey when used in the program mode. To initiate the program mode, HST is driven high and 24 bits are loaded into the command register on each law-to-high transition of the CLK input. The command register must match the exact bit pattern that defines the program mode for the identification and security match bits or the program mode for setting and reading the amount of time for which the TimeKey can be used. If an exact match for one of the seven function codes of the program mode is not found, the remainder of the program mode is ignored. When the command register is properly loaded for programming the identification and security match bits, the next 128 bits are written to the identification and security match memory (Figure 4). When this mode of operation is invoked, all memory contents are erased.

SETTING AND READING TIME REMAINING

DS1207

There are six functions of the program made which are used to set or read the amount of time for which the TimeKey will allow full operation. To initiate any of the six functions of the program mode used for setting and reading time remaining, AST is driven high and 24 bits are loaded into the command register on each low-to-high transition of the CLK input. If the command register is properly loaded with the function code for reading the 20-bit day clock counter, the next 20 bits will be output (LSB first) as a binary count of the amount of time elapsed in the current day (see Figure 5). The time can be calculated by dividing this count reading by 2^{20} (20 bits is equal to 1,048,576 counts). One minus this resuit is the fraction of a day remaining. The 20-bit day clock counter is driven by an internal oscillator that has a period of 82.4 ms. If the command register is properly loaded with the function code for reading the 9-bit number of days counter, the next 9 bits will be output (LSB first) as a binary count of the days remaining (see Figure 5). This count is decremented each time the day clock counter rolls over to zero. When the number of days remaining counter rolls through zero, normal and program mode write cycles are inhibited. If the program made read cycle to the number of days counter is attempted, the nine bits will be returned as all ones.

If the command register is properly loaded with the function code for writing the 9-bit number of days counter, the next nine bits will be input (LSB first) as a hinary count of the desired number of days in which the Time-Key will be fully functional (see Figure 7). The number of days counter can be changed by writing over an entered value as often as required until the lock command is entered. The lock command is given when the command register is properly loaded with the function code for locking up the number of days counter. The lock command consists of the 24-bit command word only (see Figure 8). Once the lock command is given, all future write cycles to the number of days register are ignored. After the correct value has been written and locked into the number of days counter, the DS1207 will start counting the time from the entered value to zero after the first access to the TimeKey is executed, provided the arm ncollistor bit is set. The arm obciliator bit is set when the command register has been properly loaded with the function code for arming the oscillator. The arm oscillator command conclute of the 24-bit command word unity (see Figure 9). One other command is also available for use in setting and reading time remaining. A stop oscilfator command is given when the command register is

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properly loaded with the function code for stopping the oscillator. The stop oscillator command consists of the 24-bit command word only (see Figure 10). This command will only execute prior to issuing a lock command. After the lock command is issued, stop oscillator commands are ignored.

A sequence for properly setting the expiration time of the DSTED7 is as follows (see Figure 11). First, program the identification and security match bits to the desired value. Use normal mode operation to write the appropriate secure data. Second, write the number days remaining register to the desired value. This number can be immediately verified by reading the number of days remaining. Next, ann the oscillator by writing the appropriate command. Then do a normal mode read, This action will start the internal oscillator. Now read the 20-bit day clock counter several times to verify that the oscillator is running. After oscillator activity has been verified, Issue the stop oscillator command. The lock command Should be leaded, followed by the arm oscillator command. The TimeKey will start the countdown to expiration on the next access. To guarantee security, a locked TimeKey cannot be unlocked. The key dennot be reprogrammed after expiration. The oscillator verification portion of this sequence is not required and can be deleted when speed in setting time remaining is important.

COMMAND WORD

Each data transfer for normal and program mode begins with a 3-byte command word as shown in Figure 12, As defined, the first byte of the command word specifies the function code. Eight function codes are acceptable (Figure 13). If any one of the bits of the first byte of the command word tails to meet one of the exact patterns for function codes, the data transfer will be aborted.

The first two bits of the second byte of the command word specify whether the data transfer to follow is program or normal mode. The bit pattern for program mode is 0 in bit 0 and 1 in bit 1. The bit pattern for normal mode is a 1 in bit 0 and a 0 in bit 1. The other two possible combinations for the first two bits of byte 2 will cause the transfer to abort. The program mode can be invoked with one of seven function codes: program identification and security match, read the 20-bit day clock counter, read the number of days count, write the number of days

count, lock number of days count, arm oscillator, and stop oscillator.

The remaining six bits of byte 2 and the first four bits of byte 3 must be written to match one of the five patterns as indicated in Figure 12 or data transfer will abort. Under special contract with Dallas Semiconductor, these bits can be defined by the user as any bit pattern other than those specified as unavailable. The bit pattern as defined by the user must be written exactly or data transfer will abort. The last four bits of byte 3 of the command word must be written 1011 or data transfer will abort. Table 1 provides a summary of the command words in hexadeoimal as they apply to all function codes for both program mode and normal mode.

RESET AND CLOCK CONTROL

All data transfers are initiated by driving the RST input high. The reset input serves three functions. First, it turns on control logic which allows access to the command register for the command sequence. Second, the RST signal provides a power source for the cycle to follow. To mast this requirement, a drive source for RST of 2 mA at 3.5 volts is required. Third, the RST signal provides a method of terminating data transfer.

A clock cycle is a sequence of a falling edge followed by a rising edge. For data inputs, the data must be valid during the rising edge of the clock cycle. Command bits and data bits are input on the rising edge of the clock. Data bits are output on the falling edge of the clock. The rising edge of the clock rising edge of the clock. The rising edge of the clock rising edge of the clock rising edge of the clock rising edge of the clock. The rising edge of the clock rising edge of the clock rising edge of the clock cycle.

TIMEKEY CONNECTIONS

The TimeKey is designed to be plugged into a standard 5-pin 0.1 inch center SIP receptacia. A guide is provided to prevent the TimeKey from being plugged in backwards and aid in alignment of the receptacie. For portable applications, contact to the TimeKey pins can be determined to ensure connection integrity before data transfer begins. CLK, RST, and DQ all have 20K ohm pulldown resistors to ground that can be sensed by a reading device.

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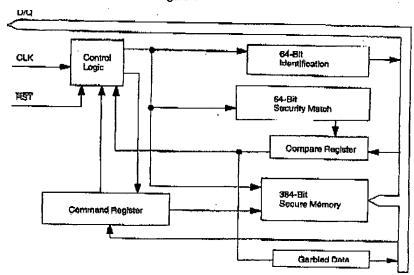
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COMMAND WORDS Table 1

Summary of the command words in hexadecimal as they apply to all function codes for both program mode and normal mode for the DS1207-G01 only.(See Figure 12 and Figure 13 for detailed command words.)

MODE	FUNCTION	COMMAND WORDS		
		MSB		LSB
NORMAL	READ	B0	01	62
NORMAL	Warre	80	01	9D
PROGRAM	WRITE	80	02	9D
PROGRAM	READ DAY CLOCK COUNTER	B0	05	F1
PROGRAM	READ DAYS REMAINING	B0	02	
PROGRAM	WRITE DAYS REMAINING	Bo	02	F3
PROGRAM	ARM OSCILLATOR	Bo ·	Ó2	F2
PROGRAM	LOCK NUMBER OF DAYS COUNT	80	02	F5
PROGRAM	STOP DSCILLATOR	Bû	02	P8 F4

BLOCK DIAGRAM: NORMAL MODE Figure 1



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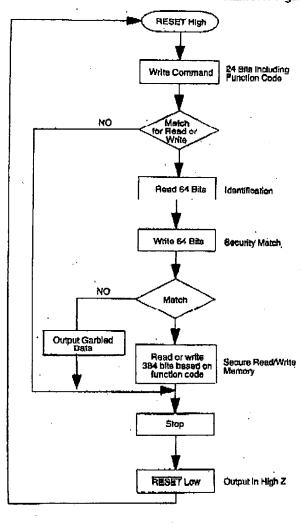
DS1207

NORMAL MODE: READ OR WRITE SECURE READ/WRITE MEMORY Figure 2A

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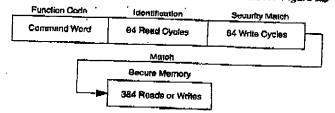
REST AVAILABLE CO



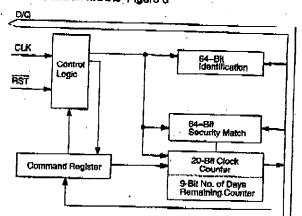
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SEQUENCE: NORMAL MODE, READ OR WRITE SECURE MEMORY Figure 28



BLOCK DIAGRAM: PROGRAM MODE Figure 3



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